




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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,958	08/04/2003	Hye Suk Chi	RPS920030032US1	5183
47052	7590	10/05/2004	EXAMINER	
SAWYER LAW GROUP LLP PO BOX 51418 PALO ALTO, CA 94303			FERGUSON, MARISSA L	
			ART UNIT	PAPER NUMBER
			2854	

DATE MAILED: 10/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/633,958	<b>Applicant(s)</b> CHI ET AL.	
	<b>Examiner</b> Marissa L Ferguson	<b>Art Unit</b> 2854	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 August 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-47 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3,5-12,14-17,19-22,24-28 and 30-47 are rejected under 35

U.S.C. 102(b) as being anticipated by Matsuda et al. (US Patent 2002/0020959).

Regarding claims 1,10,20,32,33,34,40-42, 46 and 47, Matsuda et al. teaches an apparatus and method comprising a document feeder device comprising a frame (5) and at least one cantilevered roller shaft (shaft supporting feed roller 3 and Page 3, paragraph 0050) comprises a distal end and a proximal end for advancing a document, and wherein the proximal end is coupled to the frame of such that the distal end floats (As shown in Figure 2).

Regarding claims 2,12 and 22, Matsuda et al. teaches an apparatus and method, wherein a supported end of the at least one cantilevered roller shaft is supported at two support locations (shaft is supported at main body 5 and supported at plate 9) located outside a document path, wherein the document can be appropriately fed.

Regarding claims 3 and 21, Matsuda et al. teaches an apparatus and method, wherein a need for a rigid frame that directly supports the unsupported end is eliminated (Figure 2).

Regarding claims 5,14 and 24, Matsuda et al. teaches an apparatus and method comprising at least one gimbal roller (3) that is coupled to the at least one cantilevered roller shaft (shaft supporting feed roller 3 and Page 3, Paragraph 0050).

Regarding claims 6,7,15,16,26,27,35-39 and 43-45, Matsuda et al. teaches an apparatus and method comprising a second cantilevered roller shaft (7 and Page 3, Paragraph 0052) coupled to the frame (5) and wherein a second unsupported end of the second cantilever roller shaft floats (As shown in Figure 2).

Regarding claims 8,17 and 28, Matsuda et al. teaches an apparatus and method, wherein a second supported end of the second roller shaft is supported at two support locations (shaft is supported at main body 5 and supported at plate 9) located outside a document path, wherein the document can be appropriately fed.

Regarding claims 9,19 and 30, Matsuda et al. teaches an apparatus and method comprising at least one gimbal roller (4) is coupled to the second roller shaft (7).

Regarding claims 25 and 31, Matsuda et al. teaches an apparatus and method comprising a drive device (Pages 1 and 2, Paragraphs 0013 and 0014) coupled to the frame, wherein the drive device rotates the at least one shaft to advance the document.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4,13,18,23 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuda et al. (US Patent 2002/0020959) in view of Applicant Admitted Prior Art ("AAPA")

Matsuda et al. teaches the claimed apparatus and method with the exception of a frame comprising a main portion and front portion. AAPA teaches a printer with a front portion (54) and a main portion (56, Page 2, Lines 15-16 and Figure 2). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Matsuda et al. to include a main portion and front portion of a printer as taught by AAPA, since AAPA teaches that it is advantageous to provide a stable and a reliable feeding device.

### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marissa L Ferguson whose telephone number is (571) 272-2163. The examiner can normally be reached on (M-T) 6:30am-4:00pm and every other (F) 7:30am-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marissa L Ferguson  
Examiner  
Art Unit 2854

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**REN YAN**  
**PRIMARY EXAMINER**